Bryant

COLLEGE OF THE ALBEMARLE

1977 - 1979 CATALOG

ADDENDUM

June 1978

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TUITION

Tuition for in-state residents: $3.25 per quarter hour/$39.00 maximum per quarter. Tuition for out-of-state residents: $16.50 per quarter hour/$198.00 maximum per quarter. Activity fee (12 or more quarter hours): Fall $10.00, Winter and Spring $9.00.

ASSOCIATE DEGREE REQUIREMENTS

The mathematics requirements for bath the Assaciate in Arts degree and the Associate in Fine Arts degree on pages 58 and 59 of the 1977-79 catalog shauld read as follows:

Mathematics (MAT 111 or higher)

REVISED SAMPLE TWO-YEAR COLLEGE TRANSFER PROGRAMS-

(HIS 101, 102, 103) should be inserted next to the suggested history requirements for the following programs on pages 69-76 of the 1977-79 catalog: Pre-Liberal Arts, Pre-Agriculture, Pre-Business Administration, Pre-Forestry, Pre-Mathematics, Pre-Elementary Education, Pre-Business Education, Pre-Secondary Education, ond General Education (G-020).

The suggested social science requirements for the Pre-Law degree have been changed to read as follows:

	Quarter Hours
History (HIS 101, 102, 103)	9
Social Science Electives	12-15

NEW PROGRAMS OF STUDY

Accounting Technology Curriculum T-016 (Associate Degree in Applied Science)

The Accounting program is designed to meet the needs of thase students who intend to seek employment in the accounting profession. Accounting is the process of measuring and reporting various functions of business and gavernmental organizations. These measurements are in terms af dollars and material, labor, time, and other valid units of measurement.

The duties and responsibilities af an accountant vory in different firms. Same of the things an accountont might do are: record transactions, make periodic and specific reports, maintain cost records, complete tax returns, audit books, and advise management in areas of financial affairs.

Graduates of the Accounting program may qualify for various positions in business and industry, such as accounting clerk, payroll clerk, accounting machine operator, auditor, and cost accountant. Training in this program and work experience should prepare graduates to become office managers or accounting supervisors, and to fill other responsible positions in a business or industry.

FIRST YEAR

First Quarter		Class	Lab	Cr. Hrs.
BUS 101	Elementary Typewriting	3	2	4
BUS 107	Business Mathematics	5	0	5
BUS 203	Principles af Accounting I	3	3	4
ECO 201	Principles af Economics I	3	0	3
				16

Second Quarter

ENG 101	English Composition I	3	0	3
BUS 204	Principles of Accounting II	3	3	4
ECO 202	Principles of Economics II	3	0	3
T-BUS 115	Business Law I	3	0	3
T-BUS 123	Business Finance	3	0	3
				16

Third Quarter

ENG 102	English Composition II	3	0	3
BUS 106	Introduction to Business	5	0	5
BUS 205	Principles of Accounting III	3	3	4
ECO 203	Principles of Economics III	3	0	3
T-BUS 116	Business Law II	3	0	3
				18

SECOND YEAR

First Quarter

		Class	Lab	Cr. Hrs.
BUS 206	Cost Accounting	3	2	4
BUS 211	Marketing	5	0	5
EDP 101	Computer Fundamentals	3	0	3
SPH 101	Voice & Dictian	3	0	3
T-BUS 210	Office Mochines	1	2	2
				17

Second Quarter

BUS 209	Business Communicotions	3	0	3
BUS 208	Intermediate Accounting	3	2	4
T-BUS 235	Business Monogement	3	0	3
EDP 102	Computer Programming	3	2	4
	Elective(s)			3
				17

Third Quarter

BUS 232	Auditing	3	2	4
T-BUS 229	Taxes	3	2	4
T-BUS 272	Principles of Supervision	3	0	3
T-BUS 271	Office Management	3	0	3
HEA 121	Hygiene	3	0	3
				17

Totol Hours Required for Graduation 101

Electronic Servicing V-042

Within recent years improved electronic techniques have provided expanded entertainment and educational facilities in the form of monochrome and color television, frequency modulated radio, high fidelity amplifiers and stereophonic sound equipment. These developments require expanded knowledge and skill of the individual who would qualify as a competent and up-to-date serviceperson.

This one-year curriculum program provides training in the basic knowledge and skills involved in the installation, maintenance and servicing of radio, television and sound amplifier systems. A large portion of time is spent in the laboratory verifying electronic principles and developing servicing techniques.

A radio and television serviceperson may be required to install, maintain and service amplitude modulated and frequency modulated home and auto radios, transistorized radios, monochrome and color television sets, intercommunication, public address and paging systems, high fidelity and stereophonic amplifiers, record players and tape recorders. A serviceperson who establishes his own business will also need to know how to maintain business records and inventory.

First Quarter		Class	Lab	Cr. Hrs.
MAT 1000	Fundamentals of Mathematics	5	0	5
ENG 1020	Reading Improvement	2	0	2
ELN 1111	Direct and Alternating Current	5	18	11
				18
Second Quarter				
MAT 1010	Vocational Mathematics	3	0	3
ENG 1030	Communication Skills	2	0	2
ELN 1112	Vacuum Tubes and Solid State Devices	10	15	15
				20
Third Quarter				
ELN 1125	Radio Receiver and Amplifier Servicing	5	12	9
ELN 1113	Television Theory and Circuits	5	6	7
PSY 1060	Industrial, Community and Personal Relations	2	0	2
				18
Fourth Quarter				
ELN 1127	Television Receiver Circuits and Servicing	10	18	16
BUS 1110	Small Business Operations	2	0	2
				18

Agricultural Science T-126 (Associate Degree in Applied Science)

In addition to 90 quarter hours of technical courses listed in the Veteran's Farm Training Program, the following courses are required for the Agricultural Science program:

* English — 6 quarter hours

ENG 111	Fundamentals of Communication I	3 quarter hours
ENG 112	Fundamentals of Communication II	3 quarter hours

Geography			3 quarter hours
GEO 101	Principles of Geography I	3 quarter hours	
Health			3 quarter hours
HEA 223	First Aid and Safety Educotion	3 quarter haurs	
**Mathematics			8 or 10 quarter hours
BUS 107	Business Mathematics	5 quarter hours	
T-MAT 104	Technical Mathematics	5 quarter haurs	
Total quarter hours required for A.A.S. in Agricultural Science and Mechanization			110

* ENG 101 and ENG 102 may be substituted for ENG 111 ond ENG 112.
** MAT 121 may be substituted far T-MAT 104.

REVISED PROGRAM REQUIREMENTS

Cosmetology (V-009)

A fifth quarter of study hos been odded to the Cosmetology program; it allows cosmetology students to attend a certified program far 1500 hours and waive the six-month apprenticeship required far licensing.

The fifth quarter of the Cosmetology program is optianal. The following courses will be available for students wha opt to attend the fifth quarter.

		Class	Lab	Clinical Pract.	Cr. Hrs. Equivalent
COS 1005	Scientific Study V	5	0	0	5
COS 1055	Clinical Practice IV	0	5	20	8
					13

Advanced Machinist

The following sentence has been added ta the paragraph under Advanced Machinist program on page 93 of the catalog: First year Machinist students wha have successfully completed three quarters of their program may enroll in some of the Advanced Machinist classes with permission of the Machinist instructor.

The electives listed under the Advanced Machinist program an page 93 of the catalog for the first, second, third, and faurth quarters should be changed from 6 credit hours equivalent to 3 credit hours equivalent.

REVISED COURSE DESCRIPTIONS

The course descriptions and the prerequisites for FRE 200 and SPA 200 have been revised as follows:

FRE 200 — A course far those able to read French literature. Selections of short stories and drama will be used and literary interpretations will be included.
Prerequisite: three years of high school French or the completion of FRE 153.

SPA 200 — A course for those able to read Spanish literature. Selections of short stories and drama will be used ond literary interpretations will be included.
Prerequisite: three years of high school Spanish or the completion of SPA 153.

MAT 100, Basic Mathematics has been changed to a five-hour course; therefore the credit and contact hours which appear on page 136 of the 1977-79 catalog should be changed to 3(2-3).

NEW COURSES

BUS 206 Cost Accounting F 3(2-4)

Introduction to cost accounting, definitions and objectives. Topics emphasized include cost-volume-profit relationships, job-order accounting, budgeting, systems design and human motivation, flexible budgets, standard costs, contribution approach to decisions, cost allocation, joint product and by-product costing, process costing.

BUS 208 Intermediate Accounting W 3(2-4)

Financial accounting theory and practice underlying the accounting process. Topics emphasized include asset and liability accounts, the related income measurement, valuation, and reporting problems associated with these accounts.

BUS 232 Auditing F 3(2-4)

Study of auditing standards and procedures for a contemporary audit. Topics emphasized include working papers, reports, ethics, legal respansibilities, and internal control.

COS 1055 Clinical Practice IV F,W,S,SS B(0-5-20)

Cosmetology services will be performed in a simulated salon experience as this 300 hour period replaces apprenticeship in a salon. This course consists of: appointment-booking to utilize time, practice in new trends and "quick service" styles, custom-permanent waving, adopting hairstyles to features and life-styles, blending haircolor and make-up to skin tones. Minimum Clock Hours - 250.

ELN 1101 Fundamentals of Electronic Servicing I F 7(7-0)

This course includes the proper use of test equipment and proper methods of testing circuity and components. It also includes the proper use of service manuals reading schematics and short cuts in various servicing procedures. This course is designed to be offered in a self-contained electronics servicing program for prison inmates.

ELN 1102 Fundamentals of Electronic Servicing II S 2(2-0)

A continuation of ELN 1101. This course is designed to be offered in a self-contained electronics servicing program for prison inmates.

ELN 1103 Fundamentals of Electronic Servicing III S 2(2-0)

A continuation of ELN 1102. This course is designed to be offered in a self-contained electronics servicing program for prison inmates.

ELN 1104 Fundamentals of Electronic Servicing IV SS 2(2-0)

A continuation of ELN 1103. This course is designed to be offered in a self-contained electronics servicing program for prison inmates.

ELN 1111 Direct and Alternating Current F 11(5-18)

A study of the structure of matter and the electron theory, the relationship between voltage, current and resistance in series, parallel and series-parallel circuits. Analysis of direct current circuits by Ohm's law and Kirchhoff's law; sources of direct current potentials. Fundamental concepts of alternating current flow; a study of reactance, impedance, phase angle, power and resonance and alternating current circuit analysis.

ELN 1112 Vacuum Tubes and Solid State Devices W 15(10-15)

An introduction to vacuum tubes and their development; the theory, characteristics and operation of vacuum diodes, semi-conductor diodes, rectifier circuits, filter circuits, triodes and simple voltage amplifier circuits. Transistor theory, operation, characteristics and their application to audio and radio frequency amplifier and oscillator circuits. Troubleshooting and repair of solid state devices.
Prerequisites: ELN 1111.

ELN 1113 Television Theory and Circuits S 7(6-3)

This is a beginning theory course which introduces the study of the following: brightness control and DC re-insertation circuits, video detector stages, automatic gain control circuits, deflection oscillator and amplifier stages, automatic frequency control circuits, picture IF amplifier stages and RF tuner units, etc. Shop work will include construction, analysis, testing, and simple troubleshooting of the stages studied in class. Visual alignment and adjustments of control circuits are performed.
Prerequisites: ELN 1111, ELN 1112, MAT 1115.

ELN 1125 Radio Receiver and Amplifier Servicing S 9(5-12)

An introduction of commonly used servicing techniques as applied to monophonic and stereophonic high fidelity amplifier systems and auxiliary equipment. The operation and servicing of inter-communication amplifiers and switching circuits will also be taught. Principles of radio reception and practices of servicing; included are block diagrams of radio receivers, servicing techniques of AM and FM receivers by resistance measurements, signal injection, voltage analysis, oscilloscope methods of locating faulty stages and components and the alignment of AM and FM receivers.
Prerequisites: MAT 1115, ELN 1112, ELN 1111.

ELN 1127 Television Receiver Circuits and Servicing SS 16(10-18)

A study of principles of television receivers, alignment of radio and intermediate frequenc amplifiers, adjustment of horizontal and vertical sweep circuits will be taught. Techniqu of troubleshooting and repair of TV receivers with the proper use of associated test equipment will be stressed. Additional study of more specialized servicing techniques and oscilloscope waveform analysis will be used in the adjustment, troubleshooting and repair of the color television circuits.
Prerequisites: ELN 1113, ELN 1125.

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